

REMARKS

In the above-mentioned Office Action, all of the pending claims, claims 1-18, were rejected. Claims 13, 15, and 17 were rejected under Section 102(b) over *Li* (IEEE, *Robust Channel Estimation*). Claims 1-12 were rejected under Section 103(a) over the combination of *Li* and *Edfors* (IEEE, *OFDM Channel Estimation*). Claims 14 and 16 were rejected under Section 103(a) over the combination of *Li* and *Edfors*. And, claim 18 was rejected under Section 103(a) over the combination of *Edfors* (IEEE, *Robust Channel Estimation*) and *Li* (IEEE, *OFDM Channel Estimation*). Additionally, objection was made to informalities contained in claims 1, 14, and 16 and to informalities on pages 1, 4, and 6 of the specification.

Responsive to the rejection of the claims, independent claims 1, 7, 13, 15, and 17 have been amended in manners believed to distinguish better the invention of the present application over the cited references. Additionally, claims 1, 14, and 16 have been amended to correct for the informalities noted by the Examiner.

With respect to exemplary claim 1, the claim has been amended now to recite that the interpolation coefficient calculated during the step of calculating is independent of a channel multipath power profile. Others of the independent claims have been analogously amended.

Support for the amendments is found, for instance, on page 12, lines 10-16.

The references relied upon by the Examiner failed to disclose the method or structure, recited as now amended. With specific respect to *Li* (IEEE, *Robust Channel Estimation*), there is no disclosure of formation of an interpolation coefficient that is independent of a channel multipath power profile.

Accordingly, each of the independent claims, as now amended, is believed to be distinguishable over *Li*. And, as none of the other references was cited for disclosing the formation of an interpolation coefficient independent of a channel multipath power profile, no combination of the cited references can be made to form the invention as recited in the various independent claims. And, as the dependent claims include all of the limitations of their respective parent claims, the dependent claims are believed to be distinguishable over the cited

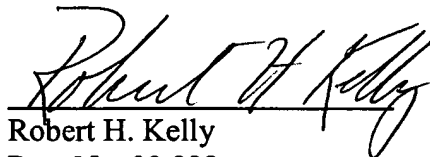
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references, in any combination, for the same reasons as those given with respect to their parent claims.

In light of the foregoing, independent claims 1, 7, 13, 15, as now amended, and the dependent claims dependent thereon, are believed to be in condition for allowance. Accordingly, reexamination and reconsideration for allowance of these claims is respectfully requested. Such early action is earnestly solicited.

Respectfully submitted,

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